

=> s (kallikrein? (3a) (inhibit? or suppress?)) (p) (bpti or (bovine pancreatic t

641 KALLIKREIN?

233090 INHIBIT?

108160 SUPPRES?

49 BPTI

20555 BOVINE

3993 PANCREATIC

7080 TRYPSIN

233090 INHIBIT?

58 BOVINE PANCREATIC TRYPSIN INHIBIT?

(BOVINE(W) PANCREATIC(W) TRYPSIN(W) INHIBIT?)

L1 9 (KALLIKREIN? (3A) (INHIBIT? OR SUPPRES?)) (P) (BPTI OR (BOV  
INE

PANCREATIC TRYPSIN INHIBIT?))

=> s (bpti or (bovine pancreatic trypsin inhibit?)) (3a) (mutant? or mutat? or a

49 BPTI

20555 BOVINE

3993 PANCREATIC

7080 TRYPSIN

233090 INHIBIT?

58 BOVINE PANCREATIC TRYPSIN INHIBIT?

(BOVINE(W) PANCREATIC(W) TRYPSIN(W) INHIBIT?)

8688 MUTANT?

8786 MUTAT?

255838 ANALOG?

21337 HOMOLOG?

1025636 ALTER?

L2 10 (BPTI OR (BOVINE PANCREATIC TRYPSIN INHIBIT?)) (3A) (MUTANT  
? O

R MUTAT? OR ANALOG? OR HOMOLOG? OR ALTER?)

=> s kunitz?

L3 203 KUNITZ?

=> s l1 and l2 and l3

L4 4 L1 AND L2 AND L3

=> d 1-4 *checked L4 NM 6/16/97*

1. 5,455,338, Oct. 3, 1995, DNA encoding novel human **\*\*kunitz\*\***-type inhibitors and methods relating thereto; Cindy A. Sprecher, et al., 536/23.5; 435/6, 69.1, 69.6, 91.1, 252.33; 530/350, 381, 384 [IMAGE AVAILABLE]

2. 5,441,931, Aug. 15, 1995, Human amyloid protein precursor homologue and **\*\*Kunitz\*\***-type inhibitors; Cindy A. Sprecher, et al., 514/2; 435/69.1, 69.2, 212, 213, 252.3, 320.1; 530/350; 536/22.1, 23.1, 23.2, 23.5 [IMAGE AVAILABLE]

3. 5,436,153, Jul. 25, 1995, Human amyloid protein precursor homolog and **\*\*Kunitz\*\***-type inhibitor; Cindy A. Sprecher, et al., 435/252.33, 6,

69.1, 212, 213, 252.3, 320.1; 536/22.1, 23.1, 23.2, 23.5 [IMAGE AVAILABLE]

4. 4,153,687, May 8, 1979, Derivatives, having an inhibitory action against protease and an antiphlogistic action, of the trypsin-**\*\*kallikrein\*\*** **\*\*inhibitor\*\*** obtained from cattle organs (**\*\*BPTI\*\***), their preparation and their use as medicaments; Eugen Schnabel, et al., 514/12; 530/324 [IMAGE AVAILABLE]

=> e markland, william/in

=> s e3

L5 3 "MARKLAND, WILLIAM"/IN

=> d 1-3 *checked L5 NDD 6/16/97*

1. 5,571,698, Nov. 5, 1996, Directed evolution of novel binding proteins; Robert C. Ladner, et al., 435/69.7, 6, 69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]

2. 5,403,484, Apr. 4, 1995, Viruses expressing chimeric binding proteins; Robert C. Ladner, et al., 435/235.1, 69.7, 172.3, 252.3, 320.1; 530/350; 536/23.4 [IMAGE AVAILABLE]

3. 5,223,409, Jun. 29, 1993, Directed evolution of novel binding proteins; Robert C. Ladner, et al., 435/69.7, 5, 69.1, 172.3, 252.3, 320.1; 530/387.3, 387.5 [IMAGE AVAILABLE]

=> e ladner, robert charles/in

=> s e2

L6 14 "LADNER, ROBERT C"/IN

=> d 1-14 *checked L6 NDD 6/16/97*

1. 5,571,698, Nov. 5, 1996, Directed evolution of novel binding proteins; **\*\*Robert C. Ladner\*\***, et al., 435/69.7, 6, 69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]

2. 5,534,621, Jul. 9, 1996, Immunoaffinity purification methods using single polypeptide chain binding molecules; **\*\*Robert C. Ladner\*\***, et al., 530/413; 424/135.1; 435/69.6, 70.21, 172.2, 172.3, 252.33, 320.1; 530/387.3; 536/23.53 [IMAGE AVAILABLE]

3. 5,518,889, May 21, 1996, Immunoassay methods using single polypeptide chain binding molecules; **\*\*Robert C. Ladner\*\***, et al., 435/7.93, 7.1, 7.92, 7.94, 7.95; 436/536, 541, 542, 548 [IMAGE AVAILABLE]

4. 5,455,030, Oct. 3, 1995, Immunotherapy using single chain polypeptide binding molecules; **\*\*Robert C. Ladner\*\***, et al., 424/135.1, 133.1, 134.1, 181.1, 183.1; 435/69.6, 70.21, 172.3; 530/387.3, 391.7 [IMAGE AVAILABLE]

5. 5,403,484, Apr. 4, 1995, Viruses expressing chimeric binding proteins; \*\*Robert C. Ladner\*\*, et al., 435/235.1, 69.1, 172.3, 252.3, 320.1; 530/350; 536/23.4 [IMAGE AVAILABLE]
6. 5,260,203, Nov. 9, 1993, Single polypeptide chain binding molecules; \*\*Robert C. Ladner\*\*, et al., 435/172.3; 424/135.1; 435/69.6, 69.7; 530/387.3, 388.1, 391.1, 391.3, 391.7; 536/23.4, 23.53 [IMAGE AVAILABLE]
7. 5,223,409, Jun. 29, 1993, Directed evolution of novel binding proteins; \*\*Robert C. Ladner\*\*, et al., 435/69.7, 5, 69.1, 172.3, 252.3, 320.1; 530/387.3, 387.5 [IMAGE AVAILABLE]
8. 5,198,346, Mar. 30, 1993, Generation and selection of novel DNA-binding proteins and polypeptides; \*\*Robert C. Ladner\*\*, et al., 435/69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]
9. 5,096,815, Mar. 17, 1992, Generation and selection of novel DNA-binding proteins and polypeptides; \*\*Robert C. Ladner\*\*, et al., 435/69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]
10. 4,946,778, Aug. 7, 1990, Single polypeptide chain binding molecules; \*\*Robert C. Ladner\*\*, et al., 435/69.6, 69.1, 69.7, 252.31, 252.33, 254.11, 254.2, 320.1, 361, 364, 372.1; 530/387.3, 388.24, 388.9, 861, 866, 867; 536/23.4, 24.2; 935/15, 68, 69, 70, 73, 74 [IMAGE AVAILABLE]
11. 4,908,773, Mar. 13, 1990, Computer designed stabilized proteins and method for producing same; Michael W. Pantoliano, et al., 364/496, 498; 436/89 [IMAGE AVAILABLE]
12. 4,881,175, Nov. 14, 1989, Computer based system and method for determining and displaying possible chemical structures for converting double- or multiple-chain polypeptides to single-chain polypeptides; \*\*Robert C. Ladner\*\*, 364/496, 498; 395/932; 436/86, 89 [IMAGE AVAILABLE]
13. 4,853,871, Aug. 1, 1989, Computer-based method for designing stabilized proteins; Michael W. Pantoliano, et al., 364/496, 498; 436/89; 930/200, 240 [IMAGE AVAILABLE]
14. 4,704,692, Nov. 3, 1987, Computer based system and method for determining and displaying possible chemical structures for converting double- or multiple-chain polypeptides to single-chain polypeptides; \*\*Robert C. Ladner\*\*, 364/496, 498; 395/906; 436/86, 89; 930/DIG.530 [IMAGE AVAILABLE]

FILE 'BIOSIS' ENTERED AT 10:10:15 ON 16 JUN 1997  
COPYRIGHT (C) 1997 BIOSIS(R)

FILE 'EMBASE' ENTERED AT 10:10:15 ON 16 JUN 1997  
COPYRIGHT (C) 1997 Elsevier Science B.V. All rights reserved.

FILE 'MEDLINE' ENTERED AT 10:10:15 ON 16 JUN 1997

FILE 'WPIDS' ENTERED AT 10:10:15 ON 16 JUN 1997  
COPYRIGHT (C) 1997 DERWENT INFORMATION LTD

=> s (kallikrein? (3a) (inhibit? or suppress?)) (p) (bpti or (bovine pancreatic

TOTAL FOR ALL FILES

L5 32 (KALLIKREIN? (3A) (INHIBIT? OR SUPPRESS?)) (P) (BPTI OR (B  
OVINE PANCREATIC TRYPSIN INHIBIT?))

=> s l5 and ((bpti or (bovine pancreatic trypsin inhibit?)) (3a) (mutat? or muta

TOTAL FOR ALL FILES

L10 2 L5 AND ((BPTI OR (BOVINE PANCREATIC TRYPSIN INHIBIT?)) (3A  
) (MUTAT? OR MUTANT? OR ANALOG? OR HOMOLOG? OR ALTER?))

=> s l5 and kunitz?

TOTAL FOR ALL FILES

L15 12 L5 AND KUNITZ?

=> s l10 and kunitz?

TOTAL FOR ALL FILES

L20 1 L10 AND KUNITZ?

=> duplicate remove l5

L21 23 DUPLICATE REMOVE L5 (9 DUPLICATES REMOVED)

=> duplicate remove l10

L22 2 DUPLICATE REMOVE L10 (0 DUPLICATES REMOVED)

=> duplicate remove l15

L23 8 DUPLICATE REMOVE L15 (4 DUPLICATES REMOVED)

=> duplicate remove l20

L24 1 DUPLICATE REMOVE L20 (0 DUPLICATES REMOVED)

=> d l21 1-23 *checked l21 p26 6/26/97*

L21 ANSWER 1 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD

AN 95-292934 [38] WPIDS

DNC C95-131879

TI \*\*\*Kallikrein\*\*\* \*\*\*inhibiting\*\*\* proteins comprising a  
Kunitz domain homologous to \*\*\*bovine\*\*\* \*\*\*pancreatic\*\*\*  
\*\*\*trypsin\*\*\* \*\*\*inhibitor\*\*\* - useful for preventing or  
treating disorders attributable to excessive kallikrein activity,  
eg. in hereditary angioedema..

DC B04

IN LADNER, R C; MARKLAND, W

PA (PROT-N) PROTEIN ENG CORP

CYC 20

PI WO 9521601 A2 950817 (9538)\* EN 46 pp A61K000-00

RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

W: CA JP US

WO 9521601 A3 950921 (9621) A61K000-00

EP 739355 A1 961030 (9648) EN C07K014-81

R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;

EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111

FDT EP 739355 A1 Based on WO 9521601

PRAI US 94-208264 940310; US 94-179964 940111

IC ICM A61K000-00; C07K014-81

L21 ANSWER 2 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 1

AN 95:402371 BIOSIS

DN 98416671

TI Kinetic mechanism of the \*\*\*inhibition\*\*\* of human urinary  
\*\*\*kallikrein\*\*\* by basic pancreatic trypsin inhibitor.

AU Miranda T L S; Ramos C H I; Freire R T S; Souza E P; Rogana E;  
Santoro M M; Figueiredo A F S

CS Dep. de Analises Clinicas, Toxicol. Fac. de Farmacia, UFMG, Caixa  
Postal 689, 30180-112 Belo Horizonte, MG, Brazil

SO Brazilian Journal of Medical and Biological Research 28 (5). 1995.  
505-512. ISSN: 0100-879X

LA English

L21 ANSWER 3 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 2

AN 96:108501 BIOSIS

DN 98680636

TI Characterization of a novel Kunitz-type molecule from the trematode  
Fasciola hepatica.

AU Bozas S E; Panaccio M; Creaney J; Dosen M; Parsons J C; Vlasuk G V;  
Walker I D; Spithill T W

CS Immunoparasitol. Dep., Victorian Inst. Anim. Sci., Attwood, VIC 3049,  
Australia

SO Molecular and Biochemical Parasitology 74 (1). 1995. 19-29. ISSN:  
0166-6851

LA English

L21 ANSWER 4 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS

AN 93:315996 BIOSIS

DN BA96:24346

TI DESIGNED REPLACEMENT OF AN INTERNAL HYDRATION WATER MOLECULE IN

\*\*\*BPTI\*\*\* STRUCTURAL AND FUNCTIONAL IMPLICATIONS OF A  
 GLYCINE-TO-SERINE MUTATION.  
 AU BERNDT K D; BEUNINK J; SCHROEDER W; WUETHRICH K  
 CS INST. MOLEKULARBIOL. BIOPHYSIK, EIDGENOESSISCHE TECH.  
 HOCHSCHULE-HOENGERBERG, CH-8093 ZURICH, SWITZ.  
 SO BIOCHEMISTRY 32 (17). 1993. 4564-4570. CODEN: BICHAW ISSN: 0006-2960  
 LA English

L21 ANSWER 5 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
 AN 94:108367 BIOSIS  
 DN 97121367  
 TI Affinity and specificity of serine endopeptidase-protein inhibitor  
 interactions: Empirical free energy calculations based on X-ray  
 crystallographic structures.  
 AU Krystek S; Stouch T; Novotny J  
 CS Dep. Macromol. Modeling, Bristol-Myers Squibb Res. Inst., Princeton,  
 NJ 08543-4000, USA  
 SO Journal of Molecular Biology 234 (3). 1993. 661-679. ISSN: 0022-2836  
 LA English

L21 ANSWER 6 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
 AN 92:26270 BIOSIS  
 DN BA93:15545  
 TI CHEMICAL SEMISYNTHESIS OF APROTININ HOMOLOGUES AND DERIVATIVES  
 MUTATED IN P' POSITIONS.  
 AU GROEGER C; WENZEL H R; TSCHESCHE H  
 CS UNIV. BIELEFELD, LEHRSTUHL BIOCHEMIE, FAKULTAET CHEMIE, D-4800  
 BIELEFELD 1, GER.  
 SO J PROTEIN CHEM 10 (5). 1991. 527-534. CODEN: JPCHD2 ISSN: 0277-8033  
 LA English

L21 ANSWER 7 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 3  
 AN 91:340211 BIOSIS  
 DN BA92:39586  
 TI ENZYMATIC SEMISYNTHESIS OF APROTININ HOMOLOGUES MUTATED IN P'  
 POSITIONS.  
 AU GROEGER C; WENZEL H R; TSCHESCHE H  
 CS UNIV. BIELEFELD, LEHRSTUHL BIOCHEMIE, FAK. CHEMIE, D-4800 BIELEFELD  
 1, GER.  
 SO J PROTEIN CHEM 10 (2). 1991. 245-252. CODEN: JPCHD2 ISSN: 0277-8033  
 LA English

L21 ANSWER 8 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
 AN 89:379034 BIOSIS  
 DN BA88:59624  
 TI SEMISYNTHETIC APROTININ DERIVATIVES WITH SPECIFIC ALTERATIONS AT THE  
 REACTIVE-SITE PEPTIDE BOND CAN BE USED TO STUDY STRUCTURE-FUNCTION  
 RELATIONSHIPS.  
 AU MEHLICH A; BECKMANN J; WENZEL H R; TSCHESCHE H  
 CS UNIVERSITAET BIELEFELD, FAKULTAET FUER CHEMIE, D-4800 BIELEFELD 1,  
 FRG.  
 SO BIOCHIM BIOPHYS ACTA 996 (1-2). 1989. 22-29. CODEN: BBACAQ ISSN:  
 0006-3002

LA English

L21 ANSWER 9 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 86:109872 BIOSIS  
DN BA81:20288  
TI PRIMARY STRUCTURE AND ANTIPROTEOLYTIC ACTIVITY OF KUNITZ-TYPE  
INHIBITOR FROM BOVINE SPLEEN.  
AU FIORETTI E; IACOPINO G; ANGELETTI M; BARRA D; BOSSA F; ASCOLI F  
CS DEP. OF CELL BIOL., UNIV. OF CAMERINO, 62032 CAMERINO, ITALY.  
SO J BIOL CHEM 260 (21). 1985. 11451-11455. CODEN: JBCHA3 ISSN:  
0021-9258  
LA English

L21 ANSWER 10 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 4  
AN 86:206285 BIOSIS  
DN BA81:97585  
TI PROTEINASE INHIBITORS AND DENDROTOXINS SEQUENCE CLASSIFICATION  
STRUCTURAL PREDICTION AND STRUCTURE-ACTIVITY.  
AU DUFTON M J  
CS DEP. PURE APPLIED CHEM., UNIV. STRATHCLYDE, THOMAS GRAHAM BUILD., 295  
CATHEDRAL ST., GLASGOW, SCOTLAND, G1 1XL.  
SO EUR J BIOCHEM 153 (3). 1985 (RECD. 1986). 647-654. CODEN: EJBCAI  
ISSN: 0014-2956  
LA English

L21 ANSWER 11 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD  
AN 83-29872K [13] WPIDS  
DNC C83-029187  
TI Immobilised \*\*\*kallikrein\*\*\* -trypsin \*\*\*inhibitor\*\*\*  
\*\*\*BPTI\*\*\* - for purificn. of proteolytic enzymes trypsin,  
chymotrypsin and kallikrein by affinity chromatography.  
DC B04 B05 D16  
IN SCHUTT, H  
PA (FARB) BAYER AG  
CYC 4  
PI DE 3135541 A 830324 (8313)\* 50 pp  
FR 2512445 A 830311 (8315)  
JP 58055430 A 830401 (8319)  
DK 8203999 A 830530 (8328)  
PRAI DE 81-3135541 810908  
IC A61K035-39; A61K037-02; C07C103-52; C12N009-76

L21 ANSWER 12 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 83:306873 BIOSIS  
DN BA76:64365  
TI INTERACTION BETWEEN SERINE PRO ENZYMES AND KAZAL AND KUNITZ  
INHIBITORS.  
AU ANTONINI E; ASCENZI P; BOLOGNESI M; GATTI G; GUARNERI M; MENEGATTI E  
CS ISTITUTO CHIMICA, CENT. BIOL. MOLECOLARE C.N.R., FAC. MED., UNIV.  
ROMA, P.LE A. MORO 3, 00185 ROMA, ITALY.  
SO J MOL BIOL 165 (3). 1983. 543-558. CODEN: JMOBAK ISSN: 0022-2836  
LA English

L21 ANSWER 13 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 84:169145 BIOSIS  
DN BA77:2129  
TI REFINED 2.5 ANGSTROM X-RAY CRYSTAL STRUCTURE OF THE COMPLEX FORMED BY  
PORCINE KALLIKREIN A AND THE \*\*\*BOVINE\*\*\* \*\*\*PANCREATIC\*\*\*  
\*\*\*TRYPSIN\*\*\* \*\*\*INHIBITOR\*\*\* CRYSTALLIZATION PATTERSON SEARCH  
STRUCTURE DETERMINATION REFINEMENT STRUCTURE AND COMPARISON WITH ITS  
COMPONENTS AND WITH THE BOVINE TRYPSIN PANCREATIC TRYPSIN INHIBITOR  
COMPLEX.  
AU CHEN Z; BODE W  
CS PEKING UNIV. INST. PHYSICAL CHEM., PEKING, CHINA.  
SO J MOL BIOL 164 (2). 1983. 283-312. CODEN: JMOBAK ISSN: 0022-2836  
LA English

L21 ANSWER 14 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 5  
AN 81:262398 BIOSIS  
DN BA72:47382  
TI PLASMA KALLIKREIN GENERATING ACTIVITY EVOKED BY RAT PERITONEAL FLUID  
MAST CELLS FOLLOWING TREATMENT WITH EPINEPHRINE 8 BROMO CYCLIC GMP OR  
COMPOUND 48-80.  
AU ROTHSCCHILD A M  
CS DEP. PHARMACOL., SCH. MED. RIBEIRAO PRETO, UNIV. SAO PAULO, RIBEIRAO  
PRETO, BRAZ.  
SO BIOCHEM PHARMACOL 30 (5). 1981. 481-488. CODEN: BCPCA6 ISSN:  
0006-2952  
LA English

L21 ANSWER 15 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 80:184071 BIOSIS  
DN BA69:59067  
TI EFFECTOR MECHANISMS OF CYTOLYTICALLY ACTIVATED MACROPHAGES 2.  
SECRETION OF A CYTOLYTIC FACTOR BY ACTIVATED MACROPHAGES AND ITS  
RELATIONSHIP TO SECRETED NEUTRAL PROTEASES.  
AU ADAMS D O; KAO K-J; FARB R; PIZZO S V  
CS DEP. PATHOL., DIV. IMMUNOL., DUKE UNIV. MED. CENT., DURHAM, N.C.  
27710, USA.  
SO J IMMUNOL 124 (1). 1980. 293-300. CODEN: JOIMA3 ISSN: 0022-1767  
LA English

L21 ANSWER 16 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 80:177116 BIOSIS  
DN BA69:52112  
TI EFFECTOR MECHANISMS OF CYTOLYTICALLY ACTIVATED MACROPHAGES 1.  
SECRETION OF NEUTRAL PROTEASES AND EFFECT OF PROTEASE INHIBITORS.  
AU ADAMS D O  
CS DEP. PATHOL., DUKE UNIV. MED. CENT., DURHAM, N.C. 27710, USA.  
SO J IMMUNOL 124 (1). 1980. 286-292. CODEN: JOIMA3 ISSN: 0022-1767  
LA English

L21 ANSWER 17 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD  
AN 79-35507B [19] WPIDS  
TI Derivs. of basic pancreatic trypsin inhibitor - partially modified  
by reaction with amine in presence of carbodiimide.



DC B04  
IN REINHARDT, G; SCHLUMBERG, H D; SCHNABEL, E  
PA (FARB) BAYER AG  
CYC 9  
PI DE 2748295 A 790503 (7919)\*  
EP 1774 A 790516 (7920) DE  
R: BE CH DE FR GB NL SE  
DK 7804771 A 790521 (7924)  
JP 54073702 A 790613 (7930)  
PRAI DE 77-2748295 771027  
IC A61K037-64; C07G007-00

L21 ANSWER 18 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 79:186380 BIOSIS  
DN BA67:66380  
TI THE ISOLATION AND PROPERTIES OF PIG SUBMANDIBULAR KALLIKREIN  
EC-3.4.21.8.  
AU LEMON M; FIEDLER F; FORG-BREY B; HIRSCHAUER C; LEYSATH G; FRITZ H  
CS DEP. PHARMACOL., MED. SCH., UNIV. BRISTOL, BRISTOL BS8 1TD, ENGL.,  
UK.  
SO BIOCHEM J 177 (1). 1979. 159-168. CODEN: BIJOAK ISSN: 0306-3275  
LA English

L21 ANSWER 19 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD  
AN 78-38498A [22] WPIDS  
TI Basic pancreatic trypsin inhibitor derivs. - protease inhibitors  
useful as antiinflammatory agents.  
DC B04  
PA (FARB) BAYER AG  
CYC 9  
PI BE 861267 A 780529 (7822)\*  
DE 2654124 A 780601 (7823)  
NL 7713091 A 780531 (7824)  
SE 7713436 A 780626 (7828)  
JP 53068701 A 780619 (7830)  
DK 7705260 A 780710 (7831)  
FR 2373516 A 780811 (7837)  
US 4153687 A 790508 (7921)  
GB 1557599 A 791212 (7950)  
PRAI DE 76-2654124 761129  
IC A61K037-64; C07C103-52; C07G007-00

L21 ANSWER 20 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD  
AN 77-79314Y [45] WPIDS  
TI Deaminated derivs. of trypsin-kallikrein inhibitors - used as enzyme  
inhibitors for treatment of excess proteases prodn..  
DC B04 C03  
PA (FARB) BAYER AG  
CYC 11  
PI BE 854102 A 771031 (7745)\*  
DE 2619246 A 771110 (7746)  
NL 7704690 A 771101 (7746)  
SE 7704928 A 771128 (7750)

JP 52134009 A 771109 (7751)  
DK 7701880 A 77122 (7804)  
FR 2349598 A 771230 (7807)  
US 4118481 A 781003 (7841)  
GB 1533358 A 781122 (7847)  
AT 7703054 A 800715 (8031)  
CH 635514 A 830415 (8320)  
PRAI DE 76-2619246 760430  
IC A61K037-64; C07C103-52; C07G007-00

L21 ANSWER 21 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 6  
AN 78:140886 BIOSIS  
DN BA65:27886  
TI IDENTIFICATION OF THE HUMAN PLASMA PROTEIN WHICH INHIBITS  
FIBRINOLYSIS ASSOCIATED WITH MALIGNANT CELLS.  
AU COLLEN D; BILLIAU A; EDY J; DE SOMER P  
CS LAB. BLOOD COAGULATION, DEP. MED. RES., UNIV. LEUVEN, 3000 LEUVEN,  
BELG.  
SO BIOCHIM BIOPHYS ACTA 499 (2). 1977 194-201. CODEN: BBACQ ISSN:  
0006-3002  
LA English

L21 ANSWER 22 OF 23 MEDLINE  
AN 76089182 MEDLINE  
TI [Effect of trypsin inhibitor of a peptide-protein nature on  
kallikreins from human and rabbit blood stream].  
Deistzie Ingibitoroz Tripsina Peptidno-Belkozoi Prirody Na  
Kallikreiny Cyzorotiki Krozi Chelozeka I Krolika.  
AU Paskhina T S; Krinskaia A V; Zykova V P  
SO BIOKHIMIYA, (1975 Mar-Apr) 40 (2) 302-9.  
Journal code: A28. ISSN: 0006-307X.  
CY USSR  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Russian  
FS Priority Journals  
EM 7605

L21 ANSWER 23 OF 23 EMBASE COPYRIGHT 1997 ELSEVIER SCI. B.V.  
AN 76193532 EMBASE  
TI Effect of trypsin inhibitors of peptide protein nature on  
kallikreins of human and rabbit blood serum.  
AU Paskhina T.S.; Krinskaya A.V.; Zykova V.P.  
CS Inst. Biol. Med. Chem., Acad. Med. Sci. USSR, Moscow, USSR  
SO BIOCHEMISTRY (N.Y.), (1975) 40/2I (252-258).  
CODEN: BIORAK  
LA English

=> d 122 1-2

*checked 122 NIP 6/16/92*

L22 ANSWER 1 OF 2 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD  
AN 95-292934 [38] WPIDS  
DNC C95-131879  
TI \*\*\*Kallikrein\*\*\* \*\*\*inhibiting\*\*\* proteins comprising a

Kunitz domain \*\*\*homologous\*\*\* to \*\*\*bovine\*\*\*  
\*\*\*pancreatic\*\*\* \*\*\*trypsin\*\*\* \*\*\*inhibitor\*\*\* - useful  
for preventing or treating disorders attributable to excessive  
kallikrein activity, eg. in hereditary angioedema..

DC B04  
IN LADNER, R C; MARKLAND, W  
PA (PROT-N) PROTEIN ENG CORP  
CYC 20  
PI WO 9521601 A2 950817 (9538)\* EN 46 pp A61K000-00  
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
W: CA JP US  
WO 9521601 A3 950921 (9621) A61K000-00  
EP 739355 A1 961030 (9648) EN C07K014-81  
R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;  
EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111  
FDT EP 739355 A1 Based on WO 9521601  
PRAI US 94-208264 940310; US 94-179964 940111  
IC ICM A61K000-00; C07K014-81

L22 ANSWER 2 OF 2 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 93:315996 BIOSIS  
DN BA96:24346  
TI DESIGNED REPLACEMENT OF AN INTERNAL HYDRATION WATER MOLECULE IN  
\*\*\*BPTI\*\*\* STRUCTURAL AND FUNCTIONAL IMPLICATIONS OF A  
GLYCINE-TO-SERINE MUTATION.  
AU BERNDT K D; BEUNINK J; SCHROEDER W; WUETHRICH K  
CS INST. MOLEKULARBIOL. BIOPHYSIK, EIDGENOESSISCHE TECH.  
HOCHSCHULE-HOENGGERBERG, CH-8093 ZURICH, SWITZ.  
SO BIOCHEMISTRY 32 (17). 1993. 4564-4570. CODEN: BICHAW ISSN: 0006-2960  
LA English

=> d 123 1-8 *check L23 MR 6/16/97*

L23 ANSWER 1 OF 8 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD  
AN 95-292934 [38] WPIDS  
DNC C95-131879  
TI \*\*\*Kallikrein\*\*\* \*\*\*inhibiting\*\*\* proteins comprising a  
\*\*\*Kunitz\*\*\* domain homologous to \*\*\*bovine\*\*\*  
\*\*\*pancreatic\*\*\* \*\*\*trypsin\*\*\* \*\*\*inhibitor\*\*\* - useful  
for preventing or treating disorders attributable to excessive  
kallikrein activity, eg. in hereditary angioedema..  
DC B04  
IN LADNER, R C; MARKLAND, W  
PA (PROT-N) PROTEIN ENG CORP  
CYC 20  
PI WO 9521601 A2 950817 (9538)\* EN 46 pp A61K000-00  
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
W: CA JP US  
WO 9521601 A3 950921 (9621) A61K000-00  
EP 739355 A1 961030 (9648) EN C07K014-81  
R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;

EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111  
FDT EP 739355 A1 Based on WO 9521601  
PRAI US 94-208264 940310; US 94-179964 940111  
IC ICM A61K000-00; C07K014-81

L23 ANSWER 2 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 1  
AN 96:108501 BIOSIS  
DN 98680636  
TI Characterization of a novel \*\*\*Kunitz\*\*\* -type molecule from the  
trematode Fasciola hepatica.  
AU Bozas S E; Panaccio M; Creaney J; Dosen M; Parsons J C; Vlasuk G V;  
Walker I D; Spithill T W  
CS Immunoparasitol. Dep., Victorian Inst. Anim. Sci., Attwood, VIC 3049,  
Australia  
SO Molecular and Biochemical Parasitology 74 (1). 1995. 19-29. ISSN:  
0166-6851  
LA English

L23 ANSWER 3 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 94:108367 BIOSIS  
DN 97121367  
TI Affinity and specificity of serine endopeptidase-protein inhibitor  
interactions: Empirical free energy calculations based on X-ray  
crystallographic structures.  
AU Krystek S; Stouch T; Novotny J  
CS Dep. Macromol. Modeling, Bristol-Myers Squibb Res. Inst., Princeton,  
NJ 08543-4000, USA  
SO Journal of Molecular Biology 234 (3). 1993. 661-679. ISSN: 0022-2836  
LA English

L23 ANSWER 4 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 86:109872 BIOSIS  
DN BA81:20288  
TI PRIMARY STRUCTURE AND ANTIPROTEOLYTIC ACTIVITY OF \*\*\*KUNITZ\*\*\*  
-TYPE INHIBITOR FROM BOVINE SPLEEN.  
AU FIORETTI E; IACOPINO G; ANGELETTI M; BARRA D; BOSSA F; ASCOLI F  
CS DEP. OF CELL BIOL., UNIV. OF CAMERINO, 62032 CAMERINO, ITALY.  
SO J BIOL CHEM 260 (21). 1985. 11451-11455. CODEN: JBCHA3 ISSN:  
0021-9258  
LA English

L23 ANSWER 5 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 2  
AN 86:206285 BIOSIS  
DN BA81:97585  
TI PROTEINASE INHIBITORS AND DENDROTOXINS SEQUENCE CLASSIFICATION  
STRUCTURAL PREDICTION AND STRUCTURE-ACTIVITY.  
AU DUFTON M J  
CS DEP. PURE APPLIED CHEM., UNIV. STRATHCLYDE, THOMAS GRAHAM BUILD., 295  
CATHEDRAL ST., GLASGOW, SCOTLAND, G1 1XL.  
SO EUR J BIOCHEM 153 (3). 1985 (RECD. 1986). 647-654. CODEN: EJBCAI  
ISSN: 0014-2956  
LA English

L23 ANSWER 6 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS  
AN 83:306873 BIOSIS  
DN BA76:64365  
TI INTERACTION BETWEEN SERINE PRO ENZYMES AND KAZAL AND \*\*\*KUNITZ\*\*\*  
INHIBITORS.  
AU ANTONINI E; ASCENZI P; BOLOGNESI M; GATTI G; GUARNERI M; MENEGATTI E  
CS ISTITUTO CHIMICA, CENT. BIOL. MOLECOLARE C.N.R., FAC. MED., UNIV.  
ROMA, P.LE A. MORO 3, 00185 ROMA, ITALY.  
SO J MOL BIOL 165 (3). 1983. 543-558. CODEN: JMOBAK ISSN: 0022-2836  
LA English

L23 ANSWER 7 OF 8 MEDLINE  
AN 76089182 MEDLINE  
TI [Effect of trypsin inhibitor of a peptide-protein nature on  
kallikreins from human and rabbit blood stream].  
Deistzie Ingibitoroz Tripsina Peptidno-Belkozoi Prirody Na  
Kallikreiny Cyzorotiki Krozi Chelozeka I Krolika.  
AU Pashkina T S; Krinskaia A V; Zykova V P  
SO BIOKHIMIYA, (1975 Mar-Apr) 40 (2) 302-9.  
Journal code: A28. ISSN: 0006-307X.  
CY USSR  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Russian  
FS Priority Journals  
EM 7605

L23 ANSWER 8 OF 8 EMBASE COPYRIGHT 1997 ELSEVIER SCI. B.V.  
AN 76193532 EMBASE  
TI Effect of trypsin inhibitors of peptide protein nature on  
kallikreins of human and rabbit blood serum.  
AU Pashkina T.S.; Krinskaya A.V.; Zykova V.P.  
CS Inst. Biol. Med. Chem., Acad. Med. Sci. USSR, Moscow, USSR  
SO BIOCHEMISTRY (N.Y.), (1975) 40/2I (252-258).  
CODEN: BIORAK  
LA English

=> d 124

*check L24 NW 6/16/97*

L24 ANSWER 1 OF 1 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD  
AN 95-292934 [38] WPIDS  
DNC C95-131879  
TI \*\*\*Kallikrein\*\*\* \*\*\*inhibiting\*\*\* proteins comprising a  
\*\*\*Kunitz\*\*\* domain \*\*\*homologous\*\*\* to \*\*\*bovine\*\*\*  
\*\*\*pancreatic\*\*\* \*\*\*trypsin\*\*\* \*\*\*inhibitor\*\*\* - useful  
for preventing or treating disorders attributable to excessive  
kallikrein activity, eg. in hereditary angioedema..  
DC B04  
IN LADNER, R C; MARKLAND, W  
PA (PROT-N) PROTEIN ENG CORP  
CYC 20  
PI WO 9521601 A2 950817 (9538)\* EN 46 pp A61K000-00  
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
W: CA JP US

WO 9521601 A3 950921 (9621)

A61K000-00

EP 739355 A1 96103 (9648) EN

C07K014-81

R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;

EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111

FDT EP 739355 A1 Based on WO 9521601

PRAI US 94-208264 940310; US 94-179964 940111

IC ICM A61K000-00; C07K014-81